Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/27/2019 02:00 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124487	-1	2.36	124607	2.36
Blue	F	SSC	125000	123548	-2	1.60	124362	1.59
Blue	E	FITC	16122	15764	-3	2.88	343	18.86
Blue	D	PE	29316	28678	-3	2.13	625	13.93
Blue	B	PerCP-Cy5-5	42590	42162	-2	3.69	1137	19.64
Blue	A	PE-Cy7	33146	33154	0	6.01	635	39.35
Red	C	APC	45473	45035	-1	2.57	1599	11.90
Red	A	APC-Cy7	31961	31151	-3	2.59	823	11.77
Violet	B	V450	7914	7538	-5	4.04	423	12.76
Violet	A	V500	29769	28443	-5	3.71	664	10.10

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21368	3.33	604	4	N/A	N/A	Pass
Blue	F	SSC	56148	1.32	543	5	N/A	N/A	Pass
Blue	E	FITC	63	60.01	536	-1	0.0230	119	Pass
Blue	D	PE	129	49.99	537	0	0.2150	388	Pass
Blue	B	PerCP-Cy5-5	210	47.66	637	-1	0.0097	50	Pass
Blue	A	PE-Cy7	121	93.35	691	0	0.0116	7	Pass
Red	C	APC	380	25.02	582	3	0.0258	184	Pass
Red	A	APC-Cy7	181	29.07	558	2	0.0060	1450	Pass
Violet	B	V450	65	57.53	460	0	0.0561	2150	Pass
Violet	A	V500	99	30.83	472	0	0.0234	435	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.34	-32.17	0.98
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	18.12	13.60 - 20.40	N/A	N/A	29.76	30.07	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9976

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments